

● PRINTER RUSH ●

(PTO ASSISTANCE)

Application : <u>09/927646</u>	Examiner : <u>Feeair</u>	GAU : <u>2663</u>
From : <u>Tu</u>	Location: IDC FME <u>FDC</u>	Date: <u>1-20-06</u>
Tracking #: <u>EPM</u>		Week Date: <u>9-26-05</u>

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM	_____	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> DRW	<u>3-3-05</u>	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

ATTN: Chief Deputy Person

[RUSH] MESSAGE: _____

Sheet 5 of 6 in the drawings submitted on 3-3-05 is a construction of Figure 4 but the Figure Label does not read "const'd".

Please supply a corrected drawing sheet showing "const'd"

Thank You
Tu

[XRUSH] RESPONSE: 01/24/06

DRAWING CORRECTED

INITIALS: LAM

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.
REV 10/04

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        M4=L;                {modifier for coef is L}
        M5=-1;              {modifier to shift coef back -1}
        I0=^data;           {setup circular buffer in DM}
        L0=%data;
        M0=1
        IMASK=B#1000;        {enable interrupt 3}
wait_interrupt: JUMP wait_interrupt; {infinte wait loop}
{ _____ Interpolate _____ }
sample:  MODIFT(I4,M5);      {shifts coef pointer back by -1}
        AYO=DM(counter);
        AR=AYO-1;           {decrement and update counter}
        DM(counter)=AR;
        IF NE JUMP do_fir;   {test ant input if L times}

{ _____ input data sample, code executed at the sample rate _____ }
do_input: AYO=DM(adc);        {input data sample}
        DM(I10,M0)=AYO;      {update delay line wiht newest}
        MODIFY(I4,M4);       {shifts coef pointer up by L}
        DM(counter)=M4;      {reset counter to L}

{ _____ filter pass, occurs at L times the input sample rate _____ }
do_fir:  CNTR=NOVERL -1;      {N/L since round on last tap}
        MR=0, MXO=DM(I0,M0); MYO=PM(I4,M4);
        DO taploop UNTLL CE;  {N/L-1 taps of FIR}
taploop: MR=MR+MXO*MXO(SS), MXO=DM(I0,M0), MYO=PM(I4,M4);
        IF MV SAT MR;         {saturate result if overflowed}
        DM(dac)=MR1;         {output sample}
        RTI;

ENDMOD:

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FIG. 4 (PRIOR ART)
(CONTINUED)